

Stock

Work Order ID 126604

126604

Page 1

Item ID: D412-760-111

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Aft Cabin Wall & Pylon Protector

Start Date: 11/24/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 11/27/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date: 11-11-17

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #
Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr	Revision Nbr
IIN D412-760	G

100 Document Control

DAS
27
8-89

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D412-760-111 CHG002

DAS
46
9-89

DEC 17 2014

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
27
8-89

11/11/18

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
46
9-89

DEC 17 2014

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 126604

Monday, November 17, 2014 1:09:26 PM

126604

Page 2

Item ID: D412-760-111

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Aft Cabin Wall & Pylon Protector

Start Date: 11/24/14 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 11/27/14 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130

0.00

130

Packaging

Memo

0.00

DEC 18 2014

DAS
06
9-30

Packaging

Identify and pack for shipping as per PPP D412-760-011

Location: 040

PPP Rev: _____

Ship Eagle

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

14/12/18

MF 14-12-18

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence
☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge		
☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other		

Monday, November 17, 2014 1:09:33 PM

126604

D412-760-111

Required Date: 11/27/14

Required Qty: 1.00

Comments: IPP Rev:A 11.04.19 per ecn10-646 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3933-1	DAS 46 9-89	Manufactured	No			110	Each	0.0000	1	1			DAS 27 9-89
D3933-1	Aft Wall Protector								**	126797			
D3933-2	DAS 46 9-89	Manufactured	No			110	Each	0.0000	1	1			DAS 27 9-89
D3933-2	Aft Wall Protector, RH								**	126796			
D3935-1	DAS 46 9-89	Manufactured	No			110	Each	0.0000	1	1			DAS 27 9-89
D3935-1	Pylon Wall Protector, LH								**	126800			
D3935-2	DAS 46 9-89	Manufactured	No			110	Each	0.0000	1	1			DAS 27 9-89
D3935-2	Pylon Wall								**	127263			
D3942-1	DAS 46 9-89	Manufactured	No			110	Each	5.0000	14	14			DAS 27 9-89
D3942-1	Angle								**	B 126842			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST068		5							
				108869		2							
				125882		3							
D3942-3	DAS 46 9-89	Manufactured	No			110	Each	17.0000	10	10			DAS 27 9-89
D3942-3	Clip								**	3x B 126977		4/11/28	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST068		17							
				125744		17							

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 2

Work Order ID: 126604

126604

Parent Item: D412-760-111

D412-760-111

Parent Item Name: Aft Cabin Wall & Pylon Protector

Start Date: 11/24/14

Required Date: 11/27/14

Start Qty: 1.00

Required Qty: 1.00

MS27039-4-10

Purchased

No

110

Each

84.0000

4 4

MS27039-4-10

Screw

46

9-89

Location

Loc Qty

Loc Code

ST283

84

124552

84

MS27039-4-14

Purchased

No

110

Each

92.0000

6 6

MS27039-4-14

SCREW

46

9-89

Location

Loc Qty

Loc Code

ST283

92

m130716

92

MS27039-5-08

Purchased

No

110

Each

32.0000

6 6

MS27039-5-08

Screw

DAS

46

9-89

Location

Loc Qty

Loc Code

ST282

32

124902

32

MS27039-5-12

Purchased

No

110

Each

88.0000

8 8

MS27039-5-12

Screw

DAS

46

9-89

Location

Loc Qty

Loc Code

ST282

88

124604

1

m130783

87

Monday, November 17, 2014 1:09:33 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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REFERENCE ONLY

DEC 17 2014

DART AEROSPACE LTD.

DAS
46
9-89

IIN-D412-760
Page 42 of 43

Qty -111	Qty -113	Part Number	Description
X		D412-760-111	AFT CABIN WALL AND PYLON PROTECTOR KIT
	X	D412-760-113	AFT CABIN WALL AND PYLON PROTECTOR KIT
1	1	D3933-1	LH AFT CABIN WALL PROTECTOR
1	1	D3933-2	RH AFT CABIN WALL PROTECTOR
1		D3935-1	LH PYLON PROTECTOR
1		D3935-2	RH PYLON PROTECTOR
	1	D3935-3	LH PYLON PROTECTOR
	1	D3935-4	RH PYLON PROTECTOR
14	14	D3942-1	ANGLE
10	10	D3942-3	CLIP
4	4	MS27039-4-10	SCREW
6	6	MS27039-4-14	SCREW
6	6	MS27039-5-08	SCREW
8	8	MS27039-5-12	SCREW

Qty -211	Qty -213	Qty -215	Qty -217	Part Number	Description
X				D412-760-211	BAGGAGE COMPARTMENT PROTECTOR KIT
	X			D412-760-213	BAGGAGE COMPARTMENT CEILING PROTECTOR KIT
		X		D412-760-215	CARGO FLOOR PROTECTOR KIT
			X	D412-760-217	LIGHTWEIGHT BAGGAGE COMPARTMENT PROTECTOR KIT
36	7	8		D3628-1	CUPPED WASHER
			43	D3628-5	CUPPED WASHER
1				D3876-1	RH FORWARD WALL PROTECTOR
1				D3876-3	FORWARD WALL PROTECTOR
1				D3876-5	LH WALL PROTECTOR
1				D3876-7	AFT WALL PROTECTOR
1				D3876-9	RH AFT WALL PROTECTOR
1		1		D3876-11	FLOOR PROTECTOR
1				D3876-13	DOOR PROTECTOR
1		1		D3952-1	PLACARD
			1	D3952-3	PLACARD
	1			D4438-1	CEILING PROTECTOR
			1	D4640-1	RH FWD WALL PROTECTOR
			1	D4640-3	FORWARD WALL PROTECTOR
			1	D4640-5	LH WALL PROTECTOR
			1	D4640-7	AFT WALL PROTECTOR
			1	D4640-9	RH AFT WALL PROTECTOR
			1	D4640-11	FLOOR PROTECTOR
			1	D4640-13	DOOR PROTECTOR
			1	D4640-15	CEILING PROTECTOR
36		8	36	80-004-2-6	INSERT
	7		7	80-004-2-8	INSERT
36		8	36	MS27039-1-04	SCREW
	7		7	MS27039-1-05	SCREW
	3		3	MS27039-1-10	SCREW
	6		6	NAS1149F0363P	WASHER (AN960-10)

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Revision: G
Date: 13.01.03

Work Order ID 126604

Monday, November 17, 2014 1:09:26 PM

126604

Page 1

Item ID: D412-760-111

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Aft Cabin Wall & Pylon Protector

Stop

NS2

Start Date: 11/24/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 11/27/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date: 11-11-17

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

IIN D412-760

G

100

Document Control

D46
27
0.00

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D412-760-111 CHG002

MLJ 14-11-28

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

D46
27
0.00

min/28

1209 12032 20014

QC4- 100% inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control